

A schematic diagram of a gas turbine engine. The main components are labeled with numbers: 1 (inlet), 2 (compressor), 3 (compressor outlet), 4 (turbine), 5 (turbine outlet), 6 (exhaust), 7 (intermediate compressor), 8 (intermediate compressor outlet), 9 (intermediate compressor inlet), 10 (intermediate compressor outlet), 11 (intermediate compressor inlet), 12 (intermediate compressor outlet), 13 (intermediate compressor inlet). The diagram shows the flow of air from the inlet through the compressor, turbine, and exhaust, with intermediate compression stages.